

**STREETWORKS™**



**GENERATION™**  
S E R I E S

Architectural Cutoff  
Post Tops

# GENERATION<sup>™</sup>

## S E R I E S



### CUTOFF POST TOP LUMINAIRES THE STANDARD OF EXCELLENCE

#### THE COMMUNITY STANDARD

Bridging the gap between aesthetic ambiance and uniform low glare illumination can prove to be very difficult: until now! Streetworks is proud to introduce the next generation of optical control:

#### *The Generation Series CVL Optical System.*

Generations Series CVL is first and foremost a true IES cutoff luminaire providing the dark sky benefits and light control that many communities now demand. The Type III and Type V optical systems utilize specular reflectors and a vertical lamp orientation to achieve the optimal combination of low brightness and efficiency.



#### THE MAINTENANCE STANDARD

Ease of maintenance was a leading design consideration for the Generation Series. Three (3) heavy-duty, spun aluminum tops are available with removable caps to allow easy access to the lamp without having to remove the globe. Access to the NEMA style photocontrol and starter is a simple twist away via the Generation housing's side entry door assembly.



#### THE CONSTRUCTION STANDARD

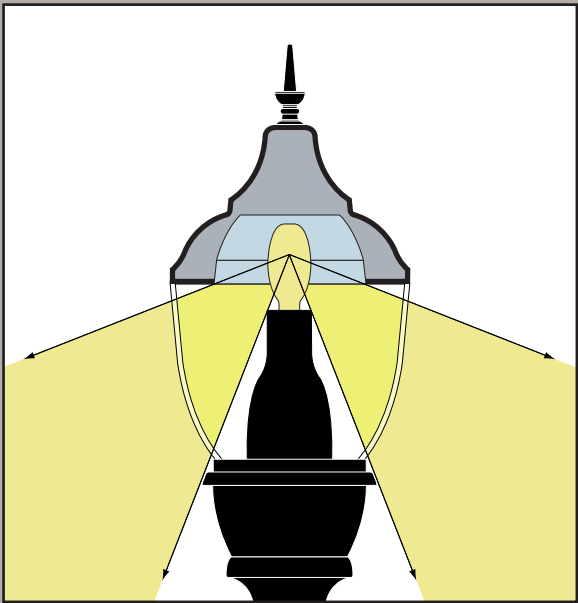
Architectural post-top units must be constructed to survive the test of time. That is why the Generation Series uses heavy-duty cast and spun aluminum materials to provide the rigid construction that insures years of use.





LAMP ORIENTATION

The Generation Series utilizes a vertical lamp position and locates the lamp in the luminaire top to prevent any direct glare to pedestrians or motorists. The vertical lamp orientation allows for wider spacing and better uniformity over traditional horizontally lamped cutoff luminaires.



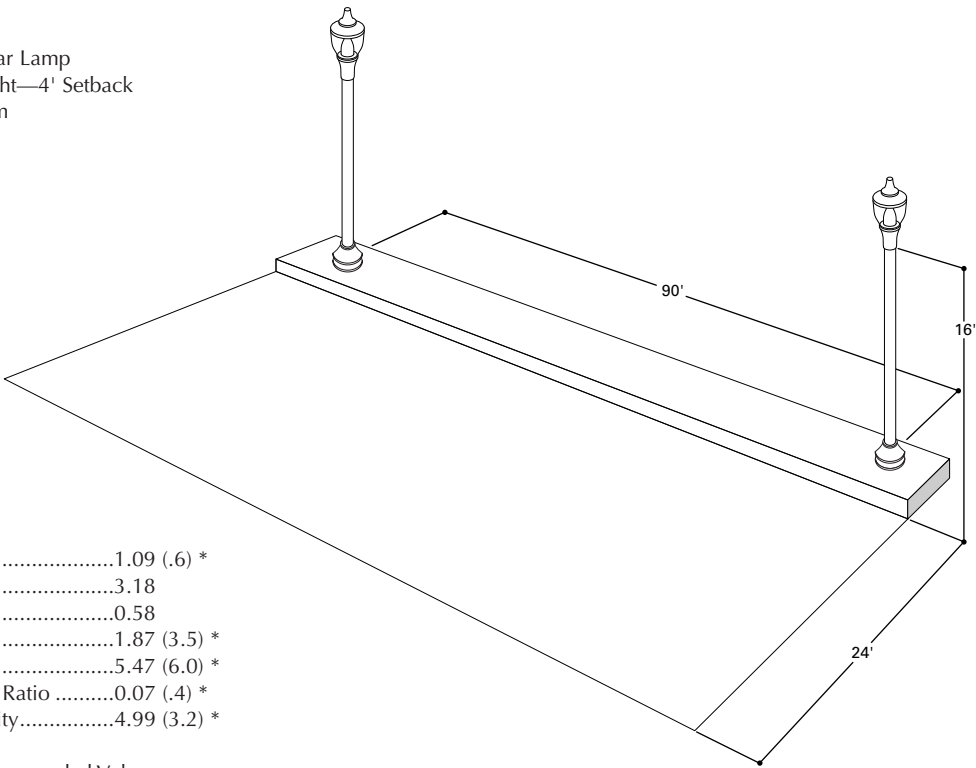
IES CLASSIFICATION

As a result of the Generation Series exceptionally low brightness, visual perception is enhanced as contrast between the luminaire and surrounding objects is reduced. As an example, a collector road with a medium pedestrian conflict area can be designed to IESNA RP8 standards while still spacing the luminaires 6 mounting heights apart.

Combining this strong performance on the ground with it's IES cutoff classification makes the Generation Series the ideal choice for the environmentally conscience.

LIGHT SOURCE

175W MH  
14,000 Lumen Clear Lamp  
16' Mounting Height—4' Setback  
3C Reflector System

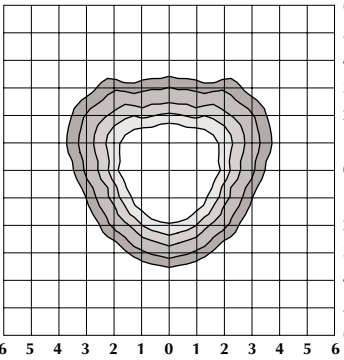


Luminance Values

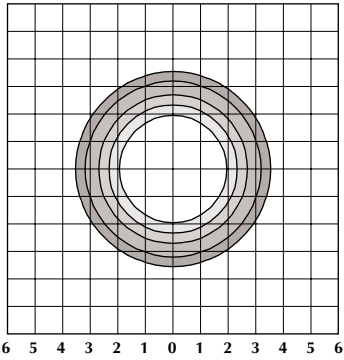
Average (Cd/m2)	1.09 (.6) *
Maximum	3.18
Minimum	0.58
Ave./Min.	1.87 (3.5) *
Max./Min.	5.47 (6.0) *
Veiling Luminance Ratio	0.07 (.4) *
Small Target Visibility	4.99 (3.2) *

NOTES: \* IES Recommended Values.

PHOTOMETRICS



**REPORT #768898**  
15' Mounting Height  
150-Watt HPS, Cutoff Type III  
16,000-Lumen Clear ED-23.5 Lamp



**REPORT #768936**  
15' Mounting Height  
150-Watt HPS, Cutoff Type V  
16,000-Lumen Clear ED-23.5 Lamp

**Footcandle Table**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	4.50	2.25	1.12	0.45	0.22
10'	4.50	2.25	1.12	0.45	0.22
15'	2.00	1.00	0.50	0.20	0.10
20'	1.12	0.56	0.28	0.11	0.05

DESIGN FLEXIBILITY

NOTE: Other IES file reports available at [www.cooperlighting.com](http://www.cooperlighting.com)

The Generation Series modular design allows for greater flexibility to meet a wider variety of market applications.

**HOUSINGS**

Acorn

Architectural

Classical

**CAGE TYPE**

Classical

Modern

Architectural

Avenue

**GLOBE**

Type III  
Clear Reflective Globe  
Acrylic or Polycarbonate

Type V  
Clear Reflective Globe  
Acrylic or Polycarbonate

**TOP TYPE**

Classical

Nostalgic  
(Top Access)

Architectural  
(Top Access)

Avenue

**FINIAL TYPE**

Architectural

Modern

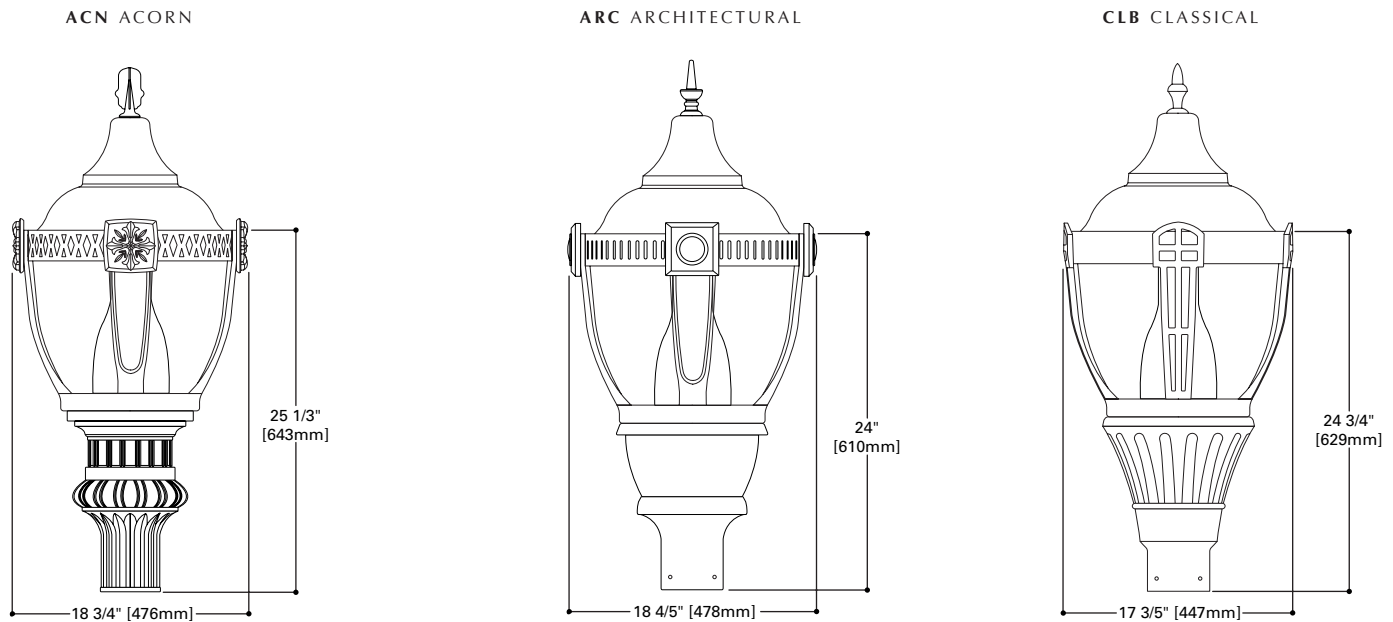
Victorian

Nostalgic

NOTE: Decorative spun aluminum chimney provided with black finish when housing color is finished black. Brushed aluminum finish provided with all other colors.

# ORDERING INFORMATION

## DIMENSIONS



## ORDERING INFORMATION

SAMPLE NUMBER: ACN25MW45C323

<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<b>Product Family</b> <sup>1</sup> <b>CLB</b> =Classical <b>ACN</b> =Acorn <b>ARC</b> =Architectural	<b>Lamp Wattage</b> <sup>2</sup> <b>50</b> =50W <b>70</b> =70W <b>10</b> =100W <b>15</b> =150W <b>17</b> =175W <b>25</b> =250W	<b>Lamp Type</b> <sup>2</sup> <b>M</b> =Metal Halide <sup>3</sup> <b>S</b> =High Pressure Sodium	<b>Ballast Type</b> <sup>2</sup> <b>R</b> =Reac./NPF <sup>4</sup> <b>H</b> =Reac./HPF <b>N</b> =Hi. Reac./NPF <b>P</b> =Hi. Reac./HPF <b>W</b> =CWA <b>K</b> =10KV CWA <sup>5</sup>	<b>Voltage</b> <sup>2</sup> <b>2</b> =120V <b>0</b> =208V <b>4</b> =240V <b>7</b> =277V <b>8</b> =480V <b>9</b> =347V <b>W</b> =Multi-Tap Wired 120V <b>N</b> =Multi-Tap Wired 277V	<b>Reflector Type</b> <b>3C</b> =Cutoff III <b>5C</b> =Cutoff V	<b>Cage Type</b> <b>1</b> =Classical <b>2</b> =Modern <b>3</b> =Architectural <b>6</b> =Avenue <sup>6</sup> <b>X</b> =None	<b>Top Type</b> <b>4</b> =Classical <b>5</b> =Avenue (Top Access) <sup>6</sup> <b>6</b> =Nostalgic (Top Access) <b>7</b> =Architectural (Top Access)	<b>Finial Type</b> <b>1</b> =Victorian <b>2</b> =Modern <b>3</b> =Architectural <b>4</b> =Nostalgic	<b>Options</b> (add as suffix) <sup>7</sup> <b>1</b> =Single Fuse (120, 277V) <b>2</b> =Double Fuse (208, 240 or 480V) <b>4</b> =Internal NEMA photocontrol Receptacle <b>P</b> =Polycarbonate Refractor <sup>8</sup> <b>6</b> =White <b>8</b> =Bronze <b>H</b> =Hartford Green <b>SY</b> =Silver <b>U</b> =U.L. Listed

**NOTE:** <sup>1</sup> Standard color is black, other finish colors available. Consult your Streetworks Representative.

<sup>2</sup> Refer to technical section for lamp/ballast/voltage compatibility.

<sup>3</sup> Medium-base lamp standard for 150W and below Metal Halide.

<sup>4</sup> Available 120V only.

<sup>5</sup> Available 50-150W, 120/240 or single voltage only.

<sup>6</sup> Avenue cage must be used with Avenue top. Avenue top is available without cage.

<sup>7</sup> When ordering options, order in alphanumeric order.

<sup>8</sup> Polycarbonate parts used with Metal Halide lamps will eventually yellow.

## Streetworks...The Complete Outdoor Lighting Solution!

NOTE: Specifications and dimensions subject to change without notice.



Visit our web site at [www.cooperlighting.com](http://www.cooperlighting.com)  
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